

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A process for the selective removal of sulphur compounds from synthesis gas containing at least 5% carbon monoxide, at least 5% hydrogen, ~~[[and]]~~ at least 0.5% carbon dioxide and ~~optionally containing water in a concentration up to saturation~~ at a pressure of at least 15 bar comprising contacting the synthesis gas at a maximum contact temperature of 100°C with an absorbent comprising Cu/ZnO compounds ~~[[and]]~~ which has been activated with a reducing gas.

2. (Currently amended) ~~Process~~ The process of claim 1, wherein the sulphur compounds comprise H₂S and COS.

3. (Currently amended) ~~Process according to~~ The process of claim 1, wherein the synthesis gas contains H₂S in an amount effective for suppression of metal dusting of metals in contact with the synthesis gas within a temperature range between 300°C to Boudouard temperature of the synthesis gas.